SAFETY AND BUILDINGS DIVISION
Plumbing Product Review
P.O. Box 2658
Madison, Wisconsin 53701-2658
**TTY: Contact Through Relay**

**Scott Walker, Governor**
**Dave Ross, Secretary**

April 5, 2012

BISCO ENVIRONMENTAL
RICH ABRAMS
135 ROBERT TREAT PAINE DRIVE
TAUNTON  MA  02780

Re:  Description:          WATER TREATMENT DEVICE - POE AERATOR
     Manufacturer:        BISCO ENVIRONMENTAL
     Product Name:        SHALLOW TRAY
     Model Number(s):     SHALLOW TRAY LOW PROFILE AND CLEARADON AIR STRIPPERS
     Product File No:     20120095

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code.  This approval is valid until the end of April 2017.

This approval is contingent upon compliance with the following stipulation(s):

➢  This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturer's published instructions.

➢  Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI  53707, telephone (608) 267-9787.

➢  If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.

Based on testing data submitted to and reviewed by the department, this approval recognizes that these plumbing products will reduce the concentration of contaminants as specified on pages 1 through 2 of this letter.

**HEALTH EFFECTING ORGANIC CONTAMINANT REDUCTION CAPABILITIES**
**PRODUCT FILE NUMBER 20120095**
**TABLE 1 OF 1**

**Flow Rate:**     3.8 – 4,164 liters per minute (lpm) [1-1,100 gallon per minute (gpm)] dependant on system configuration.

| Tested Contaminant | Influent Challenge (µg/l $^{*}$)[1] |
|---|---|
| Radon - 222 ($^{222}$Ra) | ≤ 1,200 pCi/l |
| Vinyl chloride | ≤ 0.8 |

**Other Conditions**:  the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by field testing conducted in various locations in Wisconsin.  To qualify for radon reduction, the device must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 300 pCi/l.  To qualify for vinyl chloride reduction, the device must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 0.2 µg/l.

[1] = micrograms per liter (µg/l) are equivalent to parts per billion (ppb)          **±** = plus or minus
**≤** = less than or equal to                                                                                      **pCi/l** = picocuries per liter
**\*** = unless otherwise indicated

This device was tested under controlled laboratory, or field, conditions.  The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
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Department of Safety and Professional Services
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GWS:gws